

In re application of MATTHEWS ET AL  
Application No. 09/503,137

**Listing of the Claims:**

1-87 (canceled)

88. (new): In a computer system having a graphical user interface and a user interface selection device, a method of providing and selecting from the user interface, comprising:

registering a computer resource with a shell user interface as one of a group of computer resources displayed as a link upon a page within a plurality of pages of the shell user interface, wherein the plurality of pages are arranged in a hierarchy, and wherein each page of the plurality of pages that is lower in the hierarchy is reachable through at least one other page of the plurality of pages that is higher in the hierarchy through at least one link on the other page;

displaying on the page in the shell user interface the link associated with the computer resource registered as one of the group of computer resources;

receiving a signal indicative of a selection of the link via the user interface; and executing code associated with the link in response to receiving the signal.

89. (new): In a computer system having a graphical user interface and a user interface selection device, a method of providing and selecting from the user interface, comprising:

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registering a resource with a shell user interface as one of a group of resources to be display on a page, the resource including at least one of a document, a program, a task stored in the computer system, and a device of the computer system;

displaying a first page comprising:

a first link associated with a second page; and

a second link associated with the resource registered as part of the group of resources;

in response to a signal indicative of a selection of the first link via the user interface, displaying the second page; and

in response to a signal indicative of a selection of the second link via the user interface, executing code associated with the resource registered as part of the group of resources.

90. (new): The method of claim 89, further comprising:

registering a second resource with the shell user interface as one of a group of resources to be display on a second page, the resource including at least one of a document, a program, a task stored in the computer system, and a device of the computer system;

displaying on the second page a third link associated with a third page and a fourth link associated with a second resource registered with the shell user interface as one of the group of resources to be displayed on the second page;

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in response to a signal indicative of a selection of the third link via the user interface, displaying the third page; and

in response to a signal indicative of a selection of the fourth link via the user interface, executing code associated with the second resource registered as part of the group of resources to be displayed on the second page.

91. (new): The method of claim 89 wherein the resource further includes a web link and a remote device.

92. (new): A computer-readable medium having computer-executable instructions for performing the method recited in claim 89.

93. (new): In a computer system having a graphical user interface and a user interface selection device, a method of providing and selecting from the user interface, comprising:

registering a task that is available in an application program with a shell user interface as one of a group of resources to be displayed on a page;

displaying a link on a first page, the link being associated with the task that is available in an application program; and

in response to a signal indicative of a selection of the link via the user interface, taking action with respect to the task.

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94. (new): The method of claim 93, wherein taking action comprises starting operation of the task.

95. (new): The method of claim 93, wherein taking action comprises opening a second page directed to the task.

96. (new): The method of claim 95, further comprising:  
displaying a link on the second page, the link on the second page being associated with the task; and  
in response to a signal indicative of a selection of the link on the second page via the user interface, starting operation of the task.

97. (new): The method of claim 93, further comprising:  
displaying a plurality of links on a first page, each of the links being associated with a different task for the application program; and  
in response to a signal indicative of a selection of one of the links via the user interface, taking action with respect to the task associated with the link.

98. (new): A computer-readable medium having computer-executable instructions for performing the method recited in claim 93.

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99. (new): In a computer system having a graphical user interface and a user interface selection device, a method of providing and selecting from the user interface, comprising:

registering tasks that are available for a plurality of application programs with a shell user interface;

grouping a set of the tasks to be displayed on a page of the shell user interface;

displaying links to each of the tasks in the set on the page, each of the links being associated with a particular task in the set; and

in response to a signal indicative of a selection of one of the links via the user interface, taking action with respect to the task associated with the link.

100. (new): A computer-readable medium having computer-executable instructions for performing the method recited in claim 99.

101. (new): In a computer system having a graphical user interface and a user interface selection device, a method of providing and selecting from the user interface, comprising:

providing a shell user interface having a plurality of pages including a first page, wherein the plurality of pages are arranged in a hierarchy, and wherein each page of the plurality of pages that is lower in the hierarchy is reachable through at least one other page of the plurality of pages that is higher in the hierarchy through at least one hyperlink on the other page;

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registering files with the shell user interface as one of a group of resources to be displayed on the first page;

displaying on the first page a file link for each of the files; and

in response to a signal indicative of a selection of one of the file links via the user interface, taking action with respect to the file associated with the file link.

102. (new): The method of claim 101, wherein the file links are grouped together on the first page.

103. (new): The method of claim 101, wherein the file associated with the file link comprises executable code.

104. (new): The method of claim 103, wherein taking action with respect to the file associated with the file link comprises launching an instance of the executable code.

105. (new): The method of claim 103, wherein taking action with respect to the file associated with the file link comprises displaying an already-opened instance of the executable code.

106. (new): The method of claim 101, wherein the file associated with the file link comprises a document.

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107. (new): The method of claim 106, wherein taking action with respect to the file associated with the file link comprises displaying the document.

108. (new): The method of claim 101, further comprising:  
registering tasks that are available from at least one application program with the shell user interface as one of the group of resources to be displayed on the first page;  
displaying on the first page, a task link to each of the tasks; and  
in response to a signal indicative of a selection of one of the task links via the user interface, taking action with respect to the task associated with the link.

109. (new): The method of claim 108, wherein the task links are grouped together on the first page.

110. (new): A computer-readable medium having computer-executable instructions for performing the method recited in claim 108.

111. (new): The method of claim 108, wherein taking action with respect to the task comprises starting operation of the task.

112. (new): The method of claim 108, wherein taking action with respect to the task comprises opening a task page directed to the task.

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113. (new): The method of claim 101, further comprising:  
registering a task that is available from an application program with the shell user  
interface as one of the group of resources to be displayed on the first page;  
displaying a task link on the first page, the task link being associated with the  
task; and

in response to a signal indicative of selection of the task link and a file link via the  
user interface, taking action with respect to the task on the file associated with the file  
link.

114. (new): The method of claim 113, wherein taking action comprises starting  
operation of the task.

115. (new): The method of claim 113, wherein taking action comprises  
opening a task page directed to the task.

116. (new): A computer-readable medium having computer-executable  
instructions for performing the method recited in claim 113.

117. (new): A computer-readable medium having computer-executable  
instructions for performing the method recited in claim 101.

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118. (new): In a computer system having a graphical user interface and a user interface selection device, a method of providing and selecting from the user interface, comprising:

registering executable code with a shell user interface as one of a group of resources to be displayed on a first page within a plurality of pages of the shell user interface, wherein the plurality of pages are arranged in a hierarchy;

maintaining information about files, the information including at least one item of information about each file;

displaying on a first page, a tile having an item link and at least one file link, the item link being associated with a particular item of information about a file, and the file link being associated with at least one executable code registered with the shell user interface;

in response to a signal indicative of a selection of the file link via the user interface, taking action with respect to the executable code associated with the file that is associated with the file link; and

in response to a signal indicative of a selection of the item link via the user interface, taking action with respect to the item associated with the item link.

119. (new): The method of claim 118, wherein the file comprises a document.

120. (new): The method of claim 118, wherein the file comprises a link to a web location.

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121. (new): The method of claim 118, wherein the file comprises a program.

122. (new): The method of claim 118, wherein the tile comprises a plurality of item links, each of the item links being associated with a particular item of information about the file, and further comprising: in response to a signal indicative of a selection of one of the item links via the user interface, taking action with respect to item associated with the selected item link.

123. (new): The method of claim 101 further comprising:  
maintaining information about links to web locations;  
displaying on the first page, according to the information about the links to web locations, a web link for each of the links to web locations; and  
in response to a signal indicative of a selection of one of the web links via the user interface, taking action with respect to the web location associated with the web link.

124. (new): The method of claim 123, wherein the web links are grouped together on the first page.

125. (new): In a computer system having a graphical user interface and a user interface selection device, a method of providing a menu on the user interface, comprising:

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providing a shell user interface that enables the display of one or more pages;  
making an option available while displaying each of a plurality of pages, the  
option being associated with a file system comprising a plurality of favorites folders;  
in response to a signal indicative of a selection of the option when a first page is  
displayed in the shell user interface, writing information about the first page into a  
selected one of the favorites folders;  
displaying on a second page a link to the first page according to the information in  
the one favorites folder; and  
in response to a signal indicative of a selection of the link via the user interface,  
displaying the first page.

126. (new): In a computer system having a graphical user interface and a user  
interface selection device, a method of providing and selecting from the user interface,  
comprising:

providing a shell user interface having a plurality of pages;  
registering executable code with the shell user interface as one of a group of  
resources to be displayed on a page in the shell user interface, wherein registering  
executable code includes maintaining information about the executable code;  
displaying on the page in the shell user interface, a link associated with the  
executable code according to the information;  
receiving a signal indicative of a selection of the link via the user interface;  
taking action with respect to the executable code in response to the signal; and

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in response to the executable code taking action with respect to a file, associating information about the particular page with the file.

127. (new): The method of claim 126, wherein the file comprises a document.

128. (new): The method of claim 127, wherein taking action comprises opening the document.

129. (new): The method of claim 127, wherein taking action comprises creating the document.

130. (new): The method of claim 127, wherein taking action comprises using the document as a target.

131. (new): The method of claim 126, wherein associating information comprises associating metadata with the document.

132. (new): The method of claim 126, further comprising:  
displaying on another page in the shell user interface, a link associated with the file according to the information about the particular page;  
receiving a signal indicative via the user interface of a selection of the link associated with the file;

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taking action with respect to the file in response to the signal.

133. (new): The method of claim 126, wherein the file comprises a document, and taking action with respect to the file comprises displaying the file.

134. (new): A computer-readable medium having computer-executable instructions for performing the method recited in claim 132.

135. (new): In a computer system having a graphical user interface and a user interface selection device, a method of providing and selecting from the user interface, comprising:

providing a shell user interface having a plurality of pages, wherein the plurality of pages are arranged in a hierarchy, and wherein each page of the plurality of pages that is lower in the hierarchy is reachable through at least one other page of the plurality of pages that is higher in the hierarchy through at least one hyperlink on the other page;

registering executable code with the shell user interface as one of a group of resources to be displayed on a page in the shell user interface;

maintaining information about associations between files and executable code;

maintaining information about associations between pages of the shell user interface and executable code;

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displaying on the page in the shell user interface, a link associated with a file according to the file association information and the information about association between pages of the shell user interface and the executable code; receiving a signal indicative of a selection of the link via the user interface; and taking action with respect to the file in response to the signal.

136. (New): In a computer system having a graphical user interface, a method of providing and selecting from the user interface, comprising:

providing a shell user interface having a plurality of pages, wherein the plurality of pages are arranged in a hierarchy, and wherein each page of the plurality of pages that is lower in the hierarchy is reachable through at least one other page of the plurality of pages that is higher in the hierarchy through at least one link on the other page;

registering a resource with the shell user interface as one of a group of resources to be display on a page of the plurality of pages, the resource including at least one of a document and a program stored in the computer system;

displaying, on the page in the shell user interface, a symbol representing one of the resources;

maintaining a link for the resource to another page in the hierarchy; receiving a signal indicative of a selection of the resource via the symbol; and taking action in response to the signal in accordance with the information, the action comprising, determining whether the resource is a program or document, and if the

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resource is a program, opening the program, and if the resource is a document, resolving the link via the information.

137. (new): The method of claim 136, wherein the link comprises a hyperlink and the user interface is embodied as an HTML created page.

138. (new): The method of claim 136, wherein the resource is stored on a remote computer, and the link is associated with a link to a web location of the resource.

139. (new): The method of claim 138, wherein the link to a web location is displayed on the particular page in accordance with a query to a remote location.

140. (new): The method of claim 136, wherein the resource further includes a remote device, and the link is associated with the remote device location.

141. (new): A computer-readable medium having computer-executable instructions for performing the method recited in claim 136.

142. (new): The method of claim 140, wherein taking action comprises displaying a page including settings of the external device.